

Claims

1 1. Centralized method for resolving resource conflicts occurring when shareable resources which are at least partially allocated by at least one resource using client (5, 6) are requested by a resource demanding client (7), **characterized by** negotiating with said at least one resource using client (5, 6) and said resource demanding client (7) about future rights of allocating said requested shareable resources.

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10 2. Method according to claim 1, **characterized by** tracking and/or storing relationship information between said shareable resources allocated by said resource using client (5, 6) and client operations of said resource using client (5, 6) using said allocated shareable resources.

15 3. Method according to claim 1 or 2, **characterized in that** said negotiating process is based upon a determining process of a client status of said resource using client (5, 6).

20 4. Method according to claim 3, **characterized by** asking the resource using client (5, 6) or a user of said resource using client (5, 6) about releasing at least a part of its allocated shareable resources and/or about terminating said client operations using said allocated shareable resources to determine said client status of said resource using client (5, 6), said asking process being performed on the basis of said tracked and/or stored relationship information.

25 5. Method according to claim 4, **characterized by** refusing to provide shareable resources to said resource demanding client if said resource using client (5, 6) refuses to release its allocated shareable resources and/or if said resource using client (5, 6) refuses to terminate said client operations using said allocated shareable resources.

30 6. Method according to claim 4, **characterized by** instructing said resource using client (5, 6) to release its allocated shareable resources and/or to terminate said client operations using said allocated shareable resources if said resource using client (5, 6) accepts to release its allocated shareable resources and/or if said resource using client (5, 6) accepts to terminate said client operations using said allocated shareable resources.

1 7. Method according to anyone of the preceding claims, **characterized by**
asking said resource demanding client (7) whether insisting on a shareable re-
sources demand.

5 8. Method according to anyone of the claims 1 to 5 and 7, **characterized**
by acting according to a configurable default reaction mechanism if said re-
source using client (5, 6) refuses to participate said negotiating process, re-
fuses to act according to results of said negotiating process or is not capable of
participating said negotiating process.

10 9. Method according to claim 8, **characterized by** preempting said re-
source using client (5, 6) from its allocated shareable resources as a default
reaction mechanism.

15 10. Method according to claim 8, **characterized by** terminating said client
operations using said allocated shareable resources as a default reaction
mechanism.

20 11. Method according to anyone of the claims 6, 9 or 10, **characterized by**
providing said deallocated shareable resources of said resource using client to
said resource demanding client.

25 12. Method according to anyone of the preceding claims, **characterized in**
that said negotiating process, said step of determining said client status of
said resource using client (5, 6) and said step of providing said shareable re-
sources to said resource demanding client (7) are coordinated by a central unit
(3) having access to said shareable resources.

30 13. Host (3) providing shareable resources for performing specific client op-
erations, which are assignable to resource using clients (5, 6) being connected
to said host (3), respectively, **characterized by**
- an extracting means for extracting client status information of a re-
source using client (5, 6),
- processing means being connected to said extracting means for process-
ing said extracted client status information,
- providing means being connected to said extracting means and said
processing means for providing said shareable resources to a resource de-

- 1 manding client (7) and/or to a client operation assigned to said resource demanding client (7), wherein said shareable resources providing process is initiatable or refusale by said processing means according to said extracted client status information.

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